

FROLOVA, M.A.; SOKOLOVA, Ye.I.

Study of reactivity of the cells in antitoxic immunity by the tissue culture method. Zhur. mikrobiol., epid. i imm. 41 no. 2:10-15  
F '64. (MIRA 17:9)

1. Moskovskiy institut vaktsin i sывороток имени Мечникова.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

DOBROMYSLOV, V.V.; MEDVEDKOVA, A.A.; FROLOVA, M.A.

Characteristics of the development of dermatophytes on chick  
embryos. Zhur. mikrobiol., epid. i immun. 41 no.4:131-135  
Ap '64.  
(MIRA 18:4)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov  
Ministerstva zdravookhraneniya RSFSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLOVA, M.A.; DALIN, M.V.; PEREPECHKINA, N.P.

Dynamics of changes in the content of nucleic acid during the process of immunogenesis. Zhur. mikrobiol.; epid. i immun. 41 no.6:70-74 Je '64. (MIRA 18:1)

1. Moskovskiy institut vaktsin i syvorotok imeni Mechnikova i I-y Moskovskiy ordena Lenina meditsinskiy institut imeni Sechenova.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, M.A.; FROLOV, V.A.; SELEZNEVA, V.P.

Effect of various doses of diphtheria anatoxin on the immunogenic reactivity of the body. Zhur. mikrobiol., epid. i immun. 41 no.9: 8-13 S '64. (MIRA 18:4)

1. Moskovskiy ordena Lenina meditsinskiy institut imeni Sechenova i Moskovskiy institut vaktsin i syvorotok imeni Mechnikova.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

MARKOVICH, A. V.; SOKOLOV, B. V.; MEDVEDKOVA, A. A.; PAYKIN, M.D.; FROLOVA, M. A.;  
IL'IN, G. I.

"Therapy of experimental coccal infections by soluble tetracycline derivatives  
and by tetracycline."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Sci Res Inst of Antibiotics, Leningrad.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

MARKOVICH, A.V.; SOKOLOV, B.V.; MEDVEDKOVA, A.A.; PAYKIN, M.B.;  
FROLIOVA, M.A.

Effectiveness of N-morpholynemethyltetracycline chemotherapy  
in experimental infections with coccal bacteria. Antibiotiki  
9 no.4:343-347 Ap '64. (MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

KRYLOV, V.I.; FILIPPOVA, M.A.; FROLOVA, M.F.

Calculating an indefinite integral with a small number of values  
for the integrable function. Trudy mat. inst. 53:283-301 '59.  
(MIRA 12:9)

(Integrals)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

KASHTANOV, I.N., glav. red.; BEREZIN, V.P., red.; IOSEIFOVICH,  
N.L., red.; POTEMLIN, S.V., red.; SHILO, N.A., doktor  
geol.-miner. nauk, prof., red.; FROLOVA, M.F., red.

[10 years of Magadan Province] 10 let Magadanskoi oblasti.  
Magadan, Magadansko knizhnoe izd-vo, 1963. 210 p.

(MI A 17:8)

1. Direktor kompleksnogo nauchno-issledovatel'skogo insti-  
tuta Sibirskogo otdeleniya AN SSSR (for Shilo). 2. Direktor  
nauchno-issledovatel'skogo instituta zolota i redkih me-  
tallov (for Potemkin). 3. Sekretar' oblastnogo komiteta  
KPSS (for Kashtanov).

KARBIVNICHIIY, Ivan Nesterovich; YROLOVA, M.F., red.; FEDOROV, V.V.,  
tekhn.red.

[Rare and scattered elements; handbook for young geologists]  
Redkie i rasselenyye elementy; spravochnik molodogo geologa.  
Magadan, Magadanskoe knizhnoe izd-vo, 1960. 147 p.

(MIRA 14:2)

(Metals, Rare and minor)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

LEONT'YEV, Vladilen Vyacheslavovich; FROLOVA, M.F., red.; FEDOROVA, V.V.,  
tekhn. red.

[On the Chukchi Sea] V Chukotskam more. Magadan, Magadanskoe knizh-  
noe izd-vo, 1961. 60 p. (MIRA 14:6)  
(Chukchi) (Chukchi Sea region--Hunting)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLOVA, M. G.

FROLOVA, M. G. -- "A Study of the Refining Process of Crude Benzene."  
Min Higher Education USSR, Moscow Inst of Chemical Machinebuilding, Moscow,  
1956. (Dissertation for the Degree of Candidate in TECHNICAL SCIENCES).

SO: KNIZHNAYA LETOPIS' (Book Register), No. 42, October 1956, Moscow.

IVANCHENKO, Aleksandr Semenovich, moskovskiy zhurnalista; PROLOVA,  
M.F., red.; KORSUNOV, A.I., tekhn. red.; FEDOROVA, V.V.,  
tekhn. red.

[The golden continent] Zolotoi materik. Magadan, Magadan-  
skoe knizhnoe izd-vo, 1962. 218 p. (MIRA 15:8)  
(Magadan Province--Description and travel)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, M.G. [Frolova, M.H.], vrach

Cure without medicine. Nauka i zhyttia 10 no. 11:45-46 N '60.  
(MIRA 14:4)  
(Callisthenics)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

SHUGAL, Ye.G.; RYABOV, O.M.; BOCHAROVA, T.V.; KISLYAK, L.M.; KOBEL'KOVA, A.M.; LYKOV, A.D.; MANYAKHINA, O.V.; SHLENOVA, T.G.; YAGUPOVA, Ye.I.; IVANOV, N.A.; RYBGIN, I.P.; KHOKHOVA, P.Ye.; KHRUMTYAYeva, A.S.; JEROLOVA, M.I.; RAKOV, F.M., red.; MARCHENKO, V.A., red.; KOLPAKOV, B.T., red.; DEMINA, V.N., red.; MELENT'YEV, A.M., tekhn. red.

[Soviet commerce of the R.S.F.S.R.; a statistical manual] Sovetskaya torgovlia v RSFSR; statisticheskii sbornik. Moskva, Gos. stat. izd-vo, 1956. 342 p. (MIRA 11:10)

1. Russia (1917- R.S.F.S.R.) TSentral'noye statisticheskoye upravleniye.  
(Commercial statistics)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, M.I.; RYABOV, A.V.

Light aging of polymethyl methacrylate. Part 1: Kinetics of  
gas evolution under the influence of light of various wave-  
lengths. Quantum yield of photodegradation. Vysokom.sosed. 1  
no.10:1453-1456 O '59. (MIRA 13:3)  
(Methacrylic acid) (Photochemistry)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

23769

112217 abo 2209

S/190/61/C03/006/012/019  
B110/B208

AUTHORS: Frolova, M. I., Nevskiy, L. V., Ryabov, A.V.

TITLE: Light aging of polymethyl methacrylate.  
II. Study of photolysis by radioactive carbon C<sup>14</sup>

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 6, 1961,  
877 - 881

TEXT: The study of the gases separated during light aging of polymers (e.g., polymethyl methacrylate = PMMA) is of importance in the clarification of destruction reactions and in the development of rational stabilization methods. An attempt is made in the present study to explain the formation mechanism of photolysis gases by C<sup>14</sup>, and the relationship between the mechanism of gas evolution and the photolysis of PMMA. PMMA samples labeled with C<sup>14</sup> in different positions were subjected to block polymerization at 45°C with subsequent heating to 110°C, and then freed of the monomer by three-fold precipitation with methanol from acetone solution. The powder samples with linear particle dimensions of 0.5

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Light aging of polymethyl methacrylate.  
II. Study of ...

S/190/61/003/006/012/019  
B110/B208

- 1.5 mm were irradiated with the  $\text{PK-2}$  (PRK-2) mercury quartz lamp in glass boats at  $\sim 10^{-6}$  mm Hg residual pressure for 50 hr. The pressure there increased to 6-7 mm. The reaction vessel 6 for the combustion of the gases formed was then fitted to the device shown in the Fig. Stopcock 2 was closed and the whole plant was evacuated by means of a rough vacuum pump through the stopcocks 3,4,5. A part of the gases was then conducted into vessel 7 by opening stopcock 2. The necessary amount of oxygen flew in through stopcock 9. The gas to be analyzed which was mixed with oxygen in vessel 8 was oxidized over copper oxide at 750 - 850°C, carbon dioxide was collected in 12, the water vapor in 11. In vessel 13 the radioactive carbon dioxide was diluted with ordinary  $\text{CO}_2$  up to the volume required for filling the counter, radioactivity was measured in 14. Gas evolution in the presence of oxygen and nitric oxide was studied in a similar way. The gases could be quantitatively burned in the plant. The macromolecular chains may be ruptured by primary action

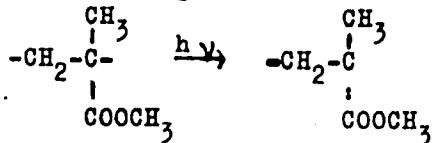
Card 2/7

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S/190/61/003/006/012/019  
B110/E208

Light aging of polymethyl methacrylate.  
II. Study of ...

of light and by secondary reaction, as the radiant energy of TPK-2 (PRK-2) lamps of 120 kcal/mole is sufficient for the rupture of chemical compounds. In the case of UV radiation the ester groups are most sensitive. Their separation gives rise to low- and high-molecular radicals:



The mass spectrum analysis of the gases formed in the photolysis of PMMA in vacuo disclosed a short lifetime of the low-molecular radicals owing to their reaction with the surrounding molecules. The formation of methyl formate was also confirmed by mass spectrum analysis (characteristic peaks):  $\text{COOCH}_3 + \text{RH} \longrightarrow \text{HCOOCH}_3 + \text{R}^\bullet$  ( $\text{R}^\bullet$  = macroradical). UV radiation

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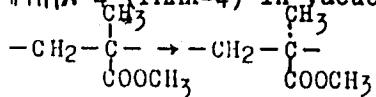
S/190/61/003/006/012/019  
B110/B208

Light aging of polymethyl methacrylate.  
II. Study of ...

destroys methyl formate under formation of a complicated gas mixture. The separation of lateral ester groups is supported by the activity data of the decomposition gases of PMMA-3 and PMMA-4 samples. As the activity decreased after three-fold reprecipitation it is assumed to be due to impurities. No monomeric methyl methacrylate molecules are split off in this connection. In the PMMA-1 and PMMA-2 decomposition, the subsequent decomposition of methyl formate gives rise to the formation of CO<sub>2</sub> and other gases which

react with the polymer chains and thus separate from the gas phase. In the photolysis in the presence of oxygen, carbon from the  $\alpha$ -methyl group and a quaternary carbon atom were detected. The exact relationship between the reactions causing the macromolecular chain rupture (1) and those of ester group separation (2) could not be established. (1) can only be primary in the rupture of C-C-bonds at the quaternary C-atom like in the rupture due to electron action. When the  $\alpha$ -methyl group is split off in the photolysis of PMMA-4 (PMMA-4) in vacuo:

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Light aging of polymethyl methacrylate.  
II. Study of ...

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S/190/61/003/006/012/019  
B110/B208

the methyl radical also reacts with polymer chains or radicals. The authors thank V. A. Kargin for his advice and M. V. Tikhomirov for studying the mass spectra of the gases. There are 1 figure, 1 table, and 16 references: 5 Soviet-bloc and 11 non-Soviet-bloc. The most important references to English-language publications read as follows: Ref. 4: J. H. Flinn, W. K. Wilson, W. L. Morrow, J. Res. Nat. Bur. Stand., 60, 229, 1958. Ref. 6: L. H. Wartman, Industr. and Engng. Chem., 47, 1013, 1955. Ref. 7: D. E. Winkler, J. Polymer Sci., 35, 3, 1959.

SUBMITTED: July 28, 1960

Card 5/7

ACCESSION NR: AP4018165

S/0191/64/000/003/0038/0040

AUTHORS: Frolova, M.I.; Yefimov, L.I.; Chekmodeyeva, I.V.

TITLE: Aging of polymethylmethacrylate organic glass under the influence of radiation by erythematous lamps.

SOURCE: Plasticheskiye massy#, no.3, 1964, 38-40

TOPIC TAGS: Polymethylmethacrylate, plasticized polymethylmethacrylate, unplasticized polymethylmethacrylate, extinction coefficient, transmission coefficient, tensile strength, impact strength

ABSTRACT : The coefficient of extinction of unplasticized polymethylmethacrylate, (PMMA), organic glasses in the ultraviolet spectral range increases during the first 200 hours of irradiation with erythematous lamps, after which it decreases slowly. In plasticized PMMA organic glasses the coefficient of transmission after 200 hours irradiation by 300 millimicron waves becomes so small that the glass can be considered opaque. The tensile strength and the specific impact strength of dibutylphthalate plasticized PMMA is greatly re-

Card 1/2

ACCESSION NR: AP4018165

duced under the influence of radiation of erythematous lamps, while the changes in these properties are insignificant in unplasticized glass. "O.A. Babayeva participated in the experimental part of the work." Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 27Mar64 ENCL: 00

SUB CODE: CH NR REF Sov: 005 OTHER: 001

Card 2/2

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

PROKINA, M.I.

Determination of the resistance to crazing plexiglas in solvents.  
Plast. massey no. 58-40 '65. (MERA 18-6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

L 50342-55 ENT(m)/EPF(c)/EPR/EWP(j)/T Pe-4/Pr-4/Pc-4 WW/RM

ACCESSION NR: AP5012110

UR/0191/65/000/005/0058/0060

30

28

3

AUTHOR: Frolova, M. I.

TITLE: Determination of the stress-crazing resistance of organic glasses in solvents

SOURCE: Plasticheskiye massy, no. 5, 1965, 58-60

TOPIC TAGS: stress crazing, stress crazing resistance, organic glass, ST 1 organic glass, T 2 55 organic glass, T 2 55 organic glass

ABSTRACT: A study has been made to see whether internal tensile stresses in transparent plastics (organic glasses) can be determined from the glasses' resistance to stress crazing (time to the onset of crazing) in organic solvents, rather than vice versa as in the existing method. Dry or moisture-saturated ("wet") annealed specimens of ST-1, T-2-55, and T-2-55<sup>b</sup> organic glasses were immersed in various dry or water-saturated ("wet") solvents. The time to the onset of crazing and the tensile and surface bending strengths were measured. It was found that dry specimens did not craze in dry solvents and that wet specimens did not craze in wet solvents. Wet specimens did craze in dry solvents, largely owing to the migration of moisture from the plastic to the solvent. It was shown that stress-crazing resistance of organic glasses in solvents does not uniquely define internal tensile stresses in the

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L 50342-65

ACCESSION NR: AP5012110

2

materials since various other variables are involved. "The author thanks I. V. Chekmodeyeva and N. M. Osokina for taking part in a discussion of the results of the study." Orig. art. has: 3 tables. [SM]

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF Sov: 005

OTHER: 000

ATD PRESS: 4007

*me*  
Card 2/2

L17670-66 DATE: 3MP(3)/T/ETC(m)-6  
ACC NR: AN6004376

NW/RM

SOURCE CODE: UR/CC61/65/000/015/S031/S031

AUTHOR: Frolova, M.I.; Yefimov, L.I.; Ryabov, A.V.

ORG: none

5-HG

4/5  
BTITLE: Polymethylmethacrylate aging under light. III. Study of decay under light using ultraviolet and infrared spectra

SOURCE: Ref. zh. Khimiya, Abs. 158190

REF SOURCE: Tr. po khimii i khim. tekhnol. Gor'kiy, vyp. 2(10), 1964, 304-310

TOPIC TAGS: polymethylmethacrylate, light aging, IR spectrum, UV spectrum, benzoyl peroxide, vacuum chamber

TRANSLATION: Samples of polymethylmethacrylate (PMMA) obtained by block polymerization in a vacuum and under atmospheric conditions in the presence of benzoyl peroxide, azoizobutyric acid dinitrile, or by means of photoinitiation, were investigated. The presence of bathochromic displacement of UV absorption and the presence of a new maximum absorption in PMMA were disclosed. This indicates the formation of new groups. Using IR spectrometry, the assumption of formation of isolated conjugate double bonds was confirmed. Oxygen does not noticeably affect the character of the spectra of irradiated PMMA samples. A method of photo decomposition<sup>6</sup> of PMMA in a vacuum was suggested. See report 2, R.Zh. Khim., 1952, 1R43. V. Agasandyan.

SUB CODE: 07

Card 1/10

PTASHINSKY, I. A. and FROLOVA, M. K.

"Polarographic Method of Determining Tetraethyl Lead in Gasolines." p. 181.

in book Study and Use of Petroleum Products, Moscow, Gostekhizdat, 1957, 213pp.

This collection of articles gives the results of the sci. res. work of the AU Sci. Res. Inst. for the Processing of Petroleum and Gas for the Production of Synthetic Liquid Fuel.

FROLOVA, M.K.

USSR/Chemical Technology - Chemical Products and Their  
Application. Treatment of Natural Gases and Petroleum.  
Motor and Jet Fuels. Lubricants.

I-8

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2611

Author : Ptashinskiy, I.A., Frolova, M.K.

Inst : All-Union Scientific Research Institute of Petroleum and  
Gas Processing and the Production of Synthetic Liquid Fuels

Title : Polarographic Method for Determining Tetraethyl Lead in  
Gasoline.

Orig Pub : Tr. Vses. n.-i. in-t po pererabotke nefti i gaza i polucheniyu  
iskusstv. zhidk. topliva, 1957, No 6, 181-184

Abstract : A polarographic method has been developed for determining  
tetraethyl lead in gasoline, which in the opinion of the  
authors is more accurate and requires 3-4 times less time  
than the standard methods of GOST 5337-50 and GOST 63-52.

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, M.K.; FRIDMAN, O.A.; LIPSKIY, A.I.; STUDENNIKOV, V.A.; NELYUBOVA, G.A.

Waterproof roofing on a base of bitumen and rubber composition.  
Stroi. mat. 11 no.2:10-11 F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLIOVA V. N.

238T40

## USSR/Chemistry - Organophosphorus Compounds

Nov 52

"The Addition of Dialkylphosphorous Acids to Unsaturated Compounds: IX. The Action of Sodium Diethylphosphite on Allyl Bromide and Isomeric Chlorobutenes," A. N. Pudovik and M. M. Frolova, Chem Inst in Acad A. Ye. Arbuzov, Kazan, Affili- ate Acad Sci USSR

"Zhur Obshch Khim" Vol 22, No 11, pp 2052-2058

The reactions between allyl bromide or isomeric chlorobutenes and sodium diethylphosphite (I) were studied. It was shown that the presence of

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an excess of diethylphosphorous acid and benzene materially affected the course of these reactions, and actually arrested the reaction at the stage of substitution, with the formation of allylphosphonic ester (II) and 1-dialkylphosphonobutene-2 (III). In the absence of free diethylphosphorous acid in the reaction medium, and in the presence only of the min quantity of benzene necessary for dissolving I, the addn of I took place at the double bond of II with the formation of di-dialkyl-phosphonic derivatives. The reaction between I and 3-chloro-butene-2 proceeded with full allyl regrouping. By direct expts in the presence of sodium ethylate, the addn of diethylphosphorous acid to II and III was demonstrated.

238T40

FROLOVA, M. M.

Dikam

✓Addition of dialkylphosphorous acids to unsaturated compounds. VIII. Addition of dialkylphosphorous acids to ethyldene- and benzylidene-malonic and acetoacetic esters. A. N. Pudovik. *J. Gen. Chem. U.S.S.R.* 22, 2103-6 (1952) (Encl. translation). IX. Action of diethyl sodium phosphite with allyl bromide and isomeric chlorobutenes. A. N. Pudovik and M. M. Frolova. *Ibid.* 2107-11. See C.A. 47, 9910f. H. L. H.

L 11379-67 EWT(1) SCTB DD/GD  
ACC NR: AT6036503

SOURCE CODE: UR/0000/66/000/000/0072/0073

AUTHOR: Bokhov, B. B.; Frolova, M. M.

22

ORG: none

TITLE: The effect of the vertical writing test on post-rotational nystagmus [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 72-73

TOPIC TACS: biologic acceleration effect, cortolis acceleration, vestibular analyzer, nystagmus, psychophysiology

ABSTRACT: The results of some experiments indicate that increased human alertness and accuracy expedite the onset of a nystagmic reaction while to the contrary, when an experimenter gives the order to relax or diminish attentiveness, this reaction is quickly damped.

In the present rotation investigations, vertical drawing tests, indices of a tonic labyrinth reflex to upper extremity musculature, and a record of postrotational nystagmus were simultaneously conducted. The effect of a test which entailed drawing a vertical series of small circles on various

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L 11379-67

ACC NR: AT6036503

qualities of postrotational nystagmus was studied. A total of 56 tests were conducted, half with the vertical drawing test.

The results indicate that the duration and number of attacks of postrotational nystagmus increase and their amplitude decreases during drawing tests. This effect was particularly pronounced during rotation at low rates (15 and 30° /sec). A less pronounced decrease in the duration of nystagmus was observed at 60° /sec.

These observations should be taken into consideration when studying both indices of various somatic vestibular reactions. An explanation can probably be found in the predominance of the unconditioned reflex component of the vestibular tonic reflex during these tests and not in a conscious voluntary effort. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2 egk

FROLOVA, M.N.

Carrying out report and election campaigns of managing branches  
of the Scientific Technological Society for Ferrous Metallurgy.  
Stal' 25 no.2:189-190 F '65. (MIRA 18:3)

1. Instruktor TSentral'nogo pravleniya Nauchno-tehnicheskogo  
obshchestva chernoy metallurgii.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

KUNDIN, Mikhail Borisovich. Prinets' statistiki i ekonomicheskoye modelirovaniye. M.I.,  
kand. ekon. nauk; BAKLANOV, G.I., red.; PESHKARILZE, V.V.,  
red.; PROLOVA, N.P., red.

[Statistics of the coal industry] Statistika ugol'noi pro-  
myshlennosti. Moscow, Statistika, 1969. 119 p.  
(MIRA 18:9)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLOVA, N.P., red.

[Results of carrying out the national economic plan of the U.S.S.R. and the Union Republics in 1964; communique of the Central Statistical Board of the U.S.S.R. and the Central Statistical Board of the Union Republics] Itogi vyplneniya narodnokhoziaistvennogo plana SSSR i soiuznykh respublik v 1964 godu; soobshcheniya TsSU SSSR i TsSU soiuznykh respublik. Moskva, Statistika, 1965. 254 p.

(MIRA 18:5)

1. Russia (1923- U.S.S.R.) Tsentral'noye statisticheskoye upravleniye.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

KUSHKINA, R.I., red.; FROLOVA, M.P., red.

[National economy of the R.S.F.S.R. in 1963; a  
statistical yearbook] Narodnoe khoziaistvo RSFSR v 1963  
godu; statisticheskii ezhegodnik. Moskva, Statistika,  
1965. 599 p. (MIRA 18:2)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

VOLODARSKIY, L.M., red.; BUTOV, A.S., red.; MOSKOVKINA, A.S.,  
red.; SHCHADILOV, N.M., red.; MAKAROVA, O.K., red.;  
FROLOVA, N.P., red.

[Industry of the U.S.S.R.; statistical abstract] Pro-  
myshlennost' SSSR; statisticheskii sbornik. Moskva,  
Izd-vo "Statistika," 1964. 494 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Tsentral'noye statisticheskoye  
upravleniye. 2. Zamestitel' nachal'nika Tsentral'nogo sta-  
tisticheskogo upravleniya SSSR (for Volodarskiy).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

ROBINZON, I.A.; TYUPANOV, A.V.; SHITAL', M.A.; SAVINOV, A.P.; PROLOVA,  
M.P.; YUROVETSKAYA, A.L.

Morphological control of the safety of poliomyelitis vaccine.  
Vest. AMN SSSR 14 no.10:29-34 '59. (MIRA 13:6)

1. Institut po izucheniyu poliomielita AMN SSSR.  
(POLIOMYELITIS)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

ROBINZON, I.A.; FROLOVA, M.P.; SAVINOV, A.P.; SHEFTEL', M.A.

Histopathology of experimental infections induced by infections with  
enteric neurotropic viruses. Zhur.nerv.i psikh. 59 no.7:769-776 '59.

(MIRA 12:11)

1. Laboratoriya patogistologii (sav. - dotsent I.A. Robinson) Insti-  
tuta po izucheniyu poliomiyelita AMN SSSR (dir. - chlen-korrespondent  
AMN SSSR prof. M.P. Chumakov).

(COXSACKIE VIRUSES, infet.  
exper. infect. with A7 strain (Rus))

FROLOVA, M.P.; SAVINOV, A.P.

Histopathology of experimental infection in rodents caused by  
Karaganda strains AB (type 4 of poliomyelitis virus). Vop.virus.  
5 no.3:309-315 My-Je '60. (MIRA 13:9)

1. Laboratoriya patogistologii Instituta po izucheniyu poliomiyelita  
AMN SSSR, Moskva.  
(POLIOMYELITIS)

FROLOVA, M.P.

Some morphological characteristics of latent infection in monkeys  
caused by attenuated strains of poliomyelitis virus. Vop. virus. 7  
no.2:184-188 Mr-Ap '62. (MIRA 15:5)

1. Institut po izucheniyu poliomiyelita AMN SSSR, Moskva.  
(POLIOMYELITIS)

FROLOVA, M.P.; SAVINOV, A.P.

Etiology of poliomyelitis-like diseases caused by Coxsackie viruses; experimental morphological study. Zh. nevropat. psichiat. Korsakov 63 no.3:330-338 '63 (MIRA 17:1)

1. Laboratoriya patogistologii (zav. - dotsent I.A.Robinzon)  
Instituta poliomielita i virusnykh entsefalitov (dir. - prof.  
M.P.Chumakov) AMN SSSR, Moskva.

KOROLEVA, G.A.; FROLIOVA, M.P.

Investigations on Coxsackie A7, A14 and A16 viruses in tissue culture and in animals. Acta virol. (Praha) [Eng.] 8 no. 2  
532-540 N '64

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R.  
Academy of Medical Sciences, Moscow.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

LITVIN, B.Z.; OSIPOVA, O.A.; FROLOVA, M.V.

Possibility of using the geobotanical method in geological mapping  
and in surveys in the Angara-Ilim area. Razved.i okh. nedr 29  
no.1:27-30 Ja -'63. (MIRA 16:2)

1. Irkutskoye geologicheskoye upravleniye.  
(Angara Valley—Phytogeography)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

Frolova, M. V.

133-2-17/19

AUTHORS: Saveyko, V.N. (Cand.Tech.Sc.) and Frolova, M.V. (Engineer)

TITLE: Cast Steel Rolling Rolls (Lityye stal'nyye prokatnyye valki)

PERIODICAL: Stal', 1958, Nr 2, pp.179-184 (USSR)

ABSTRACT: Works' and literature data on the use of cast steel rolling rolls on various mills and the technology of their casting are reviewed. It is concluded that the use of cast steel rolls is advantageous on a great majority of mills (up to mill 850 inclusive). Forged rolls should be used only in exceptional cases for special purposes. It is necessary to carry out experiments on the application of cast steel rolls on large reducing and blooming mills. There are 4 tables, 5 figures and 11 references, 10 of them Russian and 1 English.

ASSOCIATION: TsNIITMASH.

AVAILABLE: Library of Congress.

Card 1/1

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

KON, N.I.; MAKSIMENKO, G.A.; NOVIKOV, P.G.; FIKSEN, N.V.; FROLOVA, M.V.

Investigating the cast metal of steel anvil blocks. Lit. proizv.  
no.1:44-46 Ja '59. (MIRA 12:1)  
(Steel castings)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

NOVIKOV, Petr Gerasimovich; LISITSYNA, El'vina Fedorovna; FROLOVA,  
Marina Vladimirovna; KLOCHNEV, N.I., kand.tekhn.nauk, red.;  
STEPANCHENKO, N.S., red.izd-va; KRIVOLAPOV, M.A., tekhn.red.

[Foreign practices in making large steel castings] Proiz-  
vodstvo krupnogo stal'nogo lit'ia za rubezhom. Moskva, Gos.  
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 82 p.  
(MIRA 13:7)

(Steel castings) (Founding)

BIDULYA, P.N., prof., doktor tekhn.nauk; NOVIKOV, P.G., kand.tekhn.nauk;  
Frolova, M.V., inzh.; MANAKIN, A.M., kand.tekhn.nauk; PIKSEV,  
H.V., inzh.

Investigating the metal quality of large steel castings. [Trudy]  
TSNIITMASH 97:74-104 '60. (MIRA 13:8)  
(Steel castings--Testing)  
(Foundries--Quality control)

KOTSUBINSKIY, O.Yu.; FROLOVA, M.V.

Evaluating the effectiveness of the external cooling of large castings during their solidification. Inzh.-fiz. zhur. no.9:86-90  
S '60. (MIRA 13:9)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov i zavod "Stankokonstruktsiya," Moskva.  
(Metal castings)

URKLOVA, M. V., POVIREV, I. G. and BOGDANOVICH, G. V.

"Improvement in the Quality of Large Steel Castings by Means of Accelerated Cooling During the Period of Hardening"

report presented at the 7th Conference on the Interaction of the Casting Mold and the Casting, sponsored by the Inst. of Mechanical Engineering, Acad. Sci. Ukr. S.S.R., 25-28 January 1961.

KOTSYUBINSKIY, O.Yu.; PROLOVA, M.V.

Efficiency of the external chilling of large castings during solidification. Lit. proizv. no. 4:13-16 Ap '61. (MIRA 14:4)  
(Steel castings—Cooling)

FROLOVA, M.V.; GORSHKOVA, A.A.

In memory of Nina Afanas'evna Epova (Jan. 20, 1903-Aug. 30, 1900).  
Bot. zhur. 47 no.6:893-396 Je '62. (MIRA 15:7)

1. Vostochno-Sibirskiy biologicheskiy institut, Irkutsk.  
(Epova, Nina Afanas'evna, 1903-1960)

FROLOVA, N.

Chentsova, A., and Frolova, N. "Effect of Septoria on the Technical Properties of Bast and Fiber of Kendyr," Za Novoe Volokno, no. 3, 1935, pp. 28-31. 73.8 Z12

So: SIRA SI - 90-53, 15 Dec., 1953

FROLKVA, N.

Vitamin A in mare milk. N. Borabashchikov and N. Urolova. Konecstvo 1953, No. 4, 43-5; Referat. Zhurnal SSSR po zoovedeniiu i zhivotnym 1954, No. 10750.—Dietn. of vitamin A in mare milk was started in April coinciding with first days of lactation and with the end of stall feeding. In April there was no vitamin A in the milk. Vitamin A appeared some time after turning out the mares to pasture. At the end of May there was a sharp increase in vitamin A content (0.0882 mg.  $\frac{1}{10}$  ml.), then it dropped. Toward the end of June there was a slight rise (0.0125 mg.  $\frac{1}{10}$  ml.) and at the end of November 0.0125 mg.  $\frac{1}{10}$  ml. It is recommended to add vitamin-contg. feeds to mares' ration, so that the colt will get colostrum and milk containing a sufficient amt. of vitamias. M. Hordi

FROLOVA, N.A., dotsent; CHIRKIN, G.N., zasluzhennyj vrach respubliki.

~~Registration and analysis of morbidity among workers. Sov.zdrav.~~  
17 no.5:37-41 My '58. (MIRA 11:5)

1. Iz kafedry organizatsii zdravookhraneniya (zav.- prof.  
B.S. Sigal) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta i mediko-sanitarnoy chasti zavoda imeni OGPU (nach.  
G.N. Chirkin).

(INDUSTRY AND OCCUPATIONS,  
morbidity statist. among workers (Rus))  
(OCCUPATIONAL DISEASES, statistics,  
in Russia (Rus))

PROLOVA, N.A., dotsent; ASTANINA, T.N., vrach-metodist

Work of the province hospital in advanced training for physicians.  
Zdrav.Ros.Feder. 4 no.2:33-37 F '60. (MIRA 13:5)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent N.A. Prolova) Kalininskogo meditsinskogo instituta i Kalininskoy oblastnoy bol'nitay (glavnyy vrach A.A. Sokolov).  
(KALININ PROVINCE--MEDICINE--STUDY AND TEACHING)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, N.A.; MOKHnenko, A.P.

Method of teaching a course in the organization of the public health system. Trudy ISGMI 36:113-121 '56. (MIRA 14:1)  
(PUBLIC HEALTH ADMINISTRATION--STUDY AND TEACHING)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLOVA, N.A.; ZYABKO, N.V.

Penetrating study of morbidity with temporary disability among workers of the "Prolétarka" Cotton Spinning Combine in Kalinin. Zdrav. Ros. Feder. 4 no. 4:21-24 Ap '60. (MIRA 13:10)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent N.A. Frolova) Kalininskogo meditsinskogo instituta (dir. - dotsent A.N. Kushnev).  
(KALININ—TEXTILE WORKERS—DISEASES AND HYGIENE)  
(DISABILITY EVALUATION)

FROLOVA, N.A., dotsent (Kalinin, obl.)

Study of morbidity of the population in the works of congresses of rural physicians in the Tver Government! Sovzdrav. 19 no.3:47-50 '60.  
(MIRA 14:6)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav. - dotsent N.A.Frolova) Kalininskogo meditsinskogo instituta (dir. - dotsnet A.N.Kushnev).  
(DISEASES—REPORTING)

FROLOVA, N.A., dotsent (Kalinin)

Morbidity in Kalinin based on data of visits to medical institutions  
during 1958. Sov.zdrav. 19 no.10:81-85 '60. (MIRA 14:1)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny  
(zaveduyushchiy - dotsent N.A.Frolova) Kalinskogo meditsinskogo  
instituta (direktor - dotsent A.N.Kushnev).  
(KALININ-MEDICAL STATISTICS)

FROLOVA, N.A. (Kalinin)

Length of life in the city of Kalinin (1958-1959). Sov.  
zdrav. 20 no.12:88-89 '61. (MIRA 15:6)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent  
N.A. Frolova) Kalininskogo meditsinskogo instituta.  
(KALININ—LOKOT')

MOROZOVA, V.S.; FROLOVA, N.A.; YABLONEVA, A.I.

Physical development of children in the kindergartens of Kalinin.  
Zdrav.Ros.Feder. 7 no.3:26-28 Mr '63. (MIRA 16:3)

1. Iz kafedry pediatrii (zav. - prof. Ye.D. Belyayeva) i kafedry  
organizatsii zdravookhraneniya (zav. - dotsent N.A. Frolova)  
Kalininskogo meditsinskogo instituta.  
(CHILDREN—GROWTH) (KALININ—KINDERGARTENS)

FROLOVA, N.A., dotsent

Demographic indices of Kalinin. Trudy KGMI no.10:8-11 '63.  
(MIRA 18:1)

1. Iz kafedry organizatsii zdravookhraneniya, (zav. kafedroy  
dotsent N.A.Frolova) Kalininskogo gosudarstvennogo meditsinskogo  
instituta.

NAGORNOVA, Ye.P., assistent; SMOLENSKAYA, V.V., assistent; FROLOVA, N.A.,  
dotsent

Physical development of the schoolchildren of Kalinin. Trudy  
KGMI no.10:12-15 '63. (MIRA 18:1)

1. Iz kafedry obshchey gigiyeny (zav. kafedroy dotsent K.A.  
Ivanov) i kafedry organizatsii zdravookhraneniya (zav. kafedroy -  
dotsent N.A.Frolova) Kalininskogo gosudarstvennogo meditsinskogo  
instituta.

1. LEONT'YEV, N.L. FROLOVA, N.G.
2. USSR (600)
3. Wood Pulp Industry
4. Chromatic-volumetric method of determining sodium sulfate in the caustic.  
Bum.prom. 27 No. 6 - 1952.
9. Monthly List of Russian Acessions, Library of Congress, February, 1953. Unclassified.

FROLOVA, N.G.

SHVALEVA, L.S.; FROLOVA, N.G.

Trilonometric method of determining the sodium sulfate content in  
lyes. Bum.prom. 31 no.10:21 O '56. (MIRA 10:1)

1. Vtoroy Kaliningradskiy tsellyulozno-bumazhnyy kombinat.  
(Trilon B) (Iye) (Sodium sulfates)

L 4858-65

ENT(1)/FCC GW

ACCESSION NR: AP5010222

UR/0362/65/001/003/0241/0247

17  
18

B

AUTHORS: Feygel'son, Ye. M.; Frolova, N. G.

TITLE: Computing cloudiness

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 1, no. 3, 1965, 241-247

TOPIC TAGS: cloud, boundary layer, atmospheric temperature

ABSTRACT: A series of equations was set up to express nonconvective cloudiness. It was assumed that water in drops and ice is extracted by turbulent exchange as well as the vapor form, that condensation and sublimation are accompanied by like amounts of liberated heat (590 against 670 cal/g), and that no water changes from liquid to solid because of the small amount of liberated heat (80 cal/g). An expression for vertical boundaries was obtained, and by means of this computations were made for two examples. The results were within 0.5 km of the boundaries determined graphically by L. V. Petrova and Ye. M. Feygel'son (Rol' radiatsii v razviti'i oblaka. Izv. AN SSSR, ser. geofiz., No. 8, 1964). The expression for vertical boundary is

$$s = \frac{f(T_0)}{1 + \frac{L}{c_p} f'(T_0)}, \text{ where } f(T_0) \text{ is the specific moisture content at initial}$$

Card 1/2

L 48589-65

ACCESSION NR: AP5010222

temperature,  $L$  is the latent heat of vaporization, and  $c_p$  is the heat capacity at constant pressure. The corresponding expression for temperature is

$$T' = \frac{f(T_0)}{\frac{c_p}{L} + f'(T_0)}.$$

Computations by this formula were also in good agreement with the work of Petrova and Feygel'son. Orig. art. has: 2 tables and 27 formulas.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki atmosfery (Academy of Sciences SSSR; Institute of Physics of the Atmosphere)

SUBMITTED: 03Jun64

ENCL: 00

SUB COME: DF,ES

NO REF Sov: 009

OTHER: 000

Card 2/2

FROLOVA, N. I.

Frolova, N. I. "Experimental and clinical studies of the effect of white streptocide on certain physiological and infectious processes of the female sexual region," (Candidate's dissertation), Trudy Kazansk. gos. med. in-ta, 1948 p. 137-68, - Bibliog: 27 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, N. I.

Frolova, N. I. "Intrauterine pregnancy, based on material of the KGMi Obstetric-Gynecological Clinic for 1935-1944 inclusive," Trudy Kazansk. gos. med. in-ta, 1948, p. 183-87.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

FROLOVA, N.I., kandidat meditsinskikh nauk.

Method of arrest of puerperal hypotonic hemorrhage. Akush.i gin.  
no.2:66-68 Mr-Ap '54. (MLRA 7:6)

1. Iz akushersko-ginekologicheskoy kliniki im. V.S.Gruzdeva (direktor  
- professor P.V.Manenkov) Kazanskogo meditsinskogo instituta.  
(Puerperium) (Hemorrhage, Uterine)

MANENKOV, P.V., prof., FROLOVA, N.I., assistent.

Course and management of emergency labor following a previous cesarean section [with summary in English]. Akush. i gin. 34 no. 5:44-49 S-O '58 (MIRA 11:10)

1. Iz l-y kafedry akusherstva i ginekologii (zav. - prof. P.V. Manenkov) Kazanskogo meditsinskogo instituta.  
(LABOR,  
in pregn. consecutive to cesarean section (Rus))  
(CESAREAN SECTION,  
subsequent labor (Rus))

CHERKES, F.K.; FROLOVA, N.I.

Role of a pathogenic enteric bacillus in the etiology of gastrointestinal diseases in infants. Zhur. mikrobiol. epid i immun. 31 no.6:74-77 Je '60. (MIRA 13:8)

1. Iz Sanitarno-epidemiologicheskoy stantsii Kuybyshevskogo rayona Moskvy.  
(MOSCOW—*ESCHERICHIA COLI*)

FROLOVA, N.I.; CHERKES, F.K.

Material on the antibiotic sensitivity of pathogenic serotypes of  
E. coli. Antibiotiki 6 no.3:280-281 Mr '61. (MIRA 14:5)

1. Sanitarno-epidemiologicheskaya stantsiya (glavnnyy vrach B.A.  
Ginzburg) Kuybyshevskogo rayona Moskvy.  
(*ESCHERICHIA COLI*) (ANTIBIOTICS)

CHERKES, F.K.; FROLOVA, N.I.

Characteristics of enteropathogenic *Escherichia coli*  
isolated in 1959. Report No. 2. Zhur. mikrobiol., epid.  
i immun. 40 no.2:106 F '63. (MIRA 17:2)

1. Iz sanitarno-epidemiologicheskoy stantsii Kuybyshevskogo  
rayona Moskvy.

FROLOVA, N.I.; CHERKES, F.K.; VAYNTRAUB, E.A.; VORONINA, T.P.; MONASZON, R.I.;  
SPASSKAYA, Z.N.; SUPRONYUK, A.K.

Authors' abstracts. Zhur.mikrobiol., epid. i immun. 42 no.2:141  
F '65. (MIRA 18:6)

1. Sanitarno-epidemiologicheskaya stantsiya Kuybyshevskogo  
rayona Moskvy.

L 43944-65 EWA(b)-2/EWA(j)/EWT(1) Pa-4 RML/JK

ACCESSION NR: AP5008022

S/0016/65/000/003/0143/0143

AUTHOR: Frolova, N. I.; Vayntraub, E. A.; Voronina, T. P.; Cherkes, F. K.; Spasskaya, Z. N.; Supranyuk, A. K.

30

29

B

TITLE: Characteristics of salmonella isolated in the Kuibyshev rayon of Moscow during 1961-1963

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 3, 1965, 143

TOPIC TAGS: epidemiology, Moscow, salmonella, bacteriologic culture, method, serologic test, gastroenteritis, food poisoning, antibiotic, levomycetin, streptomycin, biomycin

ABSTRACT: The results of a microbiological study and serologic identification of 186 strains of salmonella isolated during 1961-1963 in the Kuibishev rayon of Moscow are given. Salmonella were isolated from 135 persons including 37 healthy food plant workers and 87 persons with a diagnosis of acute gastroenteritis or food poisoning. All isolated cultures displayed typical morphological and biochemical properties. Most of the salmonella strains belonged to

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ACCESSION NR: AP5008022

serologic groups B (51.1%) or D (29%) with S. typhimurium (61.6%) dominant in group B and S. typhi (92.3%) dominant in group D. Sensitivity of the 156 salmonella strains to biomycin, streptomycin, and levomycetin was determined. The salmonella were least sensitive to biomycin (19.9%), more sensitive to streptomycin (57%) and most sensitive to levomycetin (88.4%). Orig. art. has: None.

ASSOCIATION: Sanitarno-epidemiologicheskaya stantsiya Kuybyshevskogo rayona Moskvy (Sanitation and Epidemiological Station of the Kuibyshev rayon of Moscow)

SUBMITTED: 08Jan64	ENCL: 00	SUB CODE: LS
NR REF Sov: 000	OTHER: 000	

Card 2/2 MB

FROLOVA, N.N.; CHERKEZ, F.K.

Results of the mass utilization of the polyvalent dysentery  
virovirophage. Zhur.mikrobiol., spbd. i Immun. 42 No.3:322-325  
Mr 165. (MIRA 18:6)

1. Sanitarno-epidemiologicheskaya stantsiya Rybysk-Vskogo rayona,  
Moskva.

FRCLOVA, N. I.

Dissertation: "Investigation of the Process of Obtaining High-Speed Steel by the Methods of Powder Metallurgy From Powders of Individual Components." Cand Tech Sci, Central Asia Polytechnic Inst, 30 Apr 54. (Fravda Vostoka, Tashkent, 16 Apr 54)

SC: SUM 243, 19 Oct 1954

S/137/62/000/003/066/191  
A006/A101

15.2400

11600

AUTHORS: Mikhaylov, M. M., Uspenskiy, Ya. V., Frolova, N. P.

TITLE: On the structure of some cermet carbides

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 41, abstract 3G288  
("Tr. Sredneaz. politekhn. in-ta", 1961, no. 15, 71 - 77)

TEXT: The authors studied processes of obtaining multi-component cermet carbides with a homogeneous structure from high-dispersity ( $2 - 3 \mu$ ) powders of the separate components. The composition of the carbides investigated is (in %): W 18 - 20%; Cr 4 - 4.5; C 0.12 - 1.3; V 1 - 1.5; the rest Fe. The carbides were sintered for 2 - 3 hours at 1,280 - 1,360°C in a  $N_2$  and  $H_2$  mixture and in a solid carbonizer; some of them were subjected to case hardening, oil quenching and tempering at 550°C. All the carbides had after sintering a porosity of about 4%. The high uniformity of the structure of the carbides formed is explained by the use of fine powders; and the low porosity by the possible formation (on account of the non-uniform distribution of components) of carbide areas with a melting point below the sintering temperature. As an example the authors present the

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S/137/62/000/003/066/191  
A006/A101

On the structure of some cermet carbides

isothermic section ( $1,200^{\circ}\text{C}$ ) of the constitution diagram for Fe - W -  $\text{Fe}_3\text{C}$  carbides; according to this diagram the liquid phase is formed at a content of 1% C and 5% W.

A. Epik

[Abstracter's note: Complete translation]

Card 2/2

FROLOVA, N.V.

Natalya Vasil'yevna

DECEASED

~~1960~~ (1907-1960)

1962/5

~~SECRET~~

Records Center

GEOLOGY

Biography

obituary - Teudy VSGI, Ser Geol., No. 5, p. 7-12, 1962

FROLOVA, O. B. (Leningrad)

"Work on the Arabic-Russian Algorithm for Machine Translation,"

Theses - Conference on Machine Translations, 15-21 May 1958, Moscow.

FRGOLOVA, O. B.

2(2)

## PLATE I BOOK INFORMATION

Sov/2146

Leningrad. Universitet

Materialy po mashinnoj pervodke: sbornik 1. (Materials on Machine Translation). Collection of articles. Leningrad, Izd-vo Naukova literatury, 1958. 228 p. 1,000 copies printed.

No contributors mentioned.  
 PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

CONTENTS: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translation for a number of languages, many of them Asiatic. There are no references.

## PLATE II BOOK INFORMATION

Borodkin, V. I., S. V. Pitillov, and O. S. Tsvetin. Dictionary Structures and Information Coding in Machine Translation. 61
Andreyev, N. D., R. P. Golovinov, L. I. Ivanov, and A. E. Oglebin. 88
Implementation Programs for Indonesian Algorithms in Machine Translation. 89
Borodkin, V. I., and N. F. Chernikova. Work on Vietnamese-Russian Al- gorithms in Machine Translation. 98
Zholobin, A. B., and V. I. Strelkov. Initial Stage of Work on Burmese-Russian Algorithms in Machine Translation. 112
Andreyev, N. D., Ye. A. Zhdanova, and O. A. Tsvetina. Certain Problems of the Formation of Burmese-Russian Algorithms in Machine Translation. 126
Sazanich, L. N., M. N. Karabut, S. M. Medvedeva, and O. S. Tsvetin. Program for a Morphological Analysis of the Russian Language in Machine Translation. 135
Mironov, P. Yu. Work on Hindustani (Hindi) Russian Algorithms in Machine Translation. 151
Andreyev, N. D., D. A. Katsen, V. S. Pitillov, and V. M. Petrova. Elementary Independent Analysis of Vietnamese-Russian Al- gorithms in Machine Translation. 159
Babitschev, I. A., and Yu. P. Semenishchev. Machine Translation of Japanese into Russian. 209
Kartseva, E. M. First Stage of an Independent Structural Analysis of Simple Sentences in the English Language. 216
Andreyev, N. D. Principles of the Construction of Electronic Reading Machines. 223
STALINIA: Library of Congress

Card 4/4

S-3-5-5  
(4)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

GEORGIYEV, F.Y., prof.; FROLOVA, O.F.

The psychical and the physiological. Litovka 54 no. 1:4-17  
(MTRI 18:2)  
Ja '65.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6

FROLOVA, Ol'ga Frolovna; MAGNUS-SOMINSKIY, V.S., red.

[The mental and the physiological] Psikhicheskoe i fiziologicheskoe. Moskva, Izd-vo MGU, 1964. 46 p.  
(MIRA 17:12)

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CIA-RDP86-00513R000513810016-6"

FROLOVA, O.G.

Analysis of the causes of child mortality. Zdrav. Ros. Feder.  
7 no.11:29-30 N°63 (MIRA 16:11)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - doktor  
med. nauk S.V. Kurashov) I Moskovskogo ordena Lenina medi-  
tsinskogo instituta imeni I.M.Sechenova.

\*

ACC NR: AR7001773

SOURCE CODE: UR/0169/66/000/010/D022/D022

AUTHOR: Frolova, O. M.

TITLE: Use of computers for interpreting data of aeromagnetic surveys

SOURCE: Ref. zh. Geofizika, Abs. 10D138

REF SOURCE: Sb. Muzya zemleved. MGU, no. 3, 1965, 174-182

TOPIC TAGS: computer application, geologic survey, magnetic field, map

ABSTRACT: Aeromagnetic data interpretation is described of some regions in Southern Siberia. The interpretation was based on calculations performed on a "Strela-2" digital computer at the Department of Geology, Moscow State University. Methods for analytical continuation into the upper half space and computation of the second vertical derivatives were used. Interpretation of the recounted maps led to a division of the magnetic field into local and regional anomalies and the identification of a series of tectonic dislocations. M. Lapina. [Translation of abstract]

[AM]

SUB CODE: 08/

Card 1/1

UDC: 550.838

ARIYEVICH, A.M.; PANOV, L.M.; FROLOVA, O.N.

Sulsen soap. Med.prom. 15 no.9:46 S '61.

(MIRA 14:9)

1. TSentral'nyy kozhno-venerologicheskiy institut, TSentral'naya  
poliklinika i poliklinika No. I Ministerstva zdravookhraneniya RSFSR.  
(SELENIUM SULFIDE--THERAPEUTIC USE)  
(SEBACEOUS GLANDS--DISEASES)

USSR/General Problems of Pathology - Tumors. Comparat' e  
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 27600

Author : Frolova, O.P.

Inst : -

Title : A Case of Polycystic Liver

Orig Pub : V sb.: Materialy po borbe so zlokachestv. opukholjami,  
Ufa, Vyp. 8, 1956, 30-33

Abstract : No abstract.

Card 1/1

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CIA-RDP86-00513R000513810016-6

SHPITSMAKHER, O.A., inzhener; FROLOVA, O.S.

Method of determining the volumetric weight of cut peat extracted by machines UPT-2. Torf. prom. 30 no. 4:29-30 My '53. (MLRA 6:5)

1. Karinskoye torfopredpriyatiye.

(Peat industry)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810016-6"

IVANOVA, A.S.; SHABALIN, S.D.; MICHURINA, I.A.; SHLENDIK, T.Ye.; PECHEN', N.G.; YATSENKO, V.A.; USOVA, A.P.; EROLOVA, P.A., otv.red.; ROGOVSKAYA, Ye.G., red.; VOLKOV, N.V., tekhn.red.

[Agroclimatic reference book on Amur Province] Agroklimaticheskii spravochnik po Amurskoi oblasti. Leningrad, Gidrometeor.izd-vo, 1960. 134 p. (MIRA 13:11)

1. Khabarovsk. Gidrometeorologicheskaya observatoriya. 2. Khabarovskaya gidrometeorologicheskaya observatoriya (for Ivanova, Shabalin, Michurina, Shlendik, Pechen', Yatsenko, Usova). 3. Nachal'nik Otdela agrometeorologii Khabarovskoy gidrometeorologicheskoy observatorii (for Ivanova).

(Amur Province--Crops and climate)

Frolova, P.V.

AUTHOR: Frolova, P.V., Rombro, S.Ya. & Zavgorodnego, V.K. 94-2-0/27

TITLE: Measures to economise electric power in a plastics press shop.  
(Meropriyatiya po ekonomii elektroenergii v pressovom tsekhie po  
proizvodstvu izdelyi iz plastmassy. )

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13. No.2. pp.22. (USSR)

ABSTRACT: This brief note describes a suggestion of the authors' for which was awarded a fifth premium in the All-Union competition for economy of electric power. In the 'Plastmass' works at Karacharovsk the authors saved about 500,000 kWh annually by the following economy measures: switching-off electric motors whilst the press platens are stationary in the upper position; thermal insulation of the sides of press tools with sheet asbestos; automatic control of compressed air pressure; and reducing the filament voltage of h.f. valve generators during periods of no-load.

AVAILABLE: Library of Congress.

1. Electric power-Economical use

Card 1/1

04961-67 T(m)/EMP(j) RM

ACC NR: AP6006718

(A)

SOURCE CODE: UR/0303/66/000/001/0013/0015

REF ID: A652

AUTHOR: Mogilevich, M. M.; Prolova, R. D.23  
25

ORG: none

TITLE: Acceleration of film formation by oils and alkyds

SOURCE: Lakkrasochnyye materialy i ikh primeneniye, no. 1, 1966, 13-15

TOPIC TAGS: drying oil, alkyd resin, hydroperoxide, dimethylaniline, peroxide

ABSTRACT: The possibility of accelerating film formation by oils and alkyds which do not contain conjugated double bonds was studied by using redox systems consisting of hydroperoxides and salts of a metal of variable valence, and also promoter additives to redox systems formed during the oxidation of these film-forming substances in the presence of siccatives. In the study of the oils (linseed, sunflower and cottonseed oil) the effect of redox systems and promoters on the drying time of triglycerides with various degrees of saturation and no conjugated double bonds was determined. The redox systems were: (1) cobalt naphthenate (CN); (2) CN and dimethylaniline (DMA); (3) CN and dicyclohexyl peroxide 1,1'-bis-hydroperoxide (HPC) and (4) HPC+CN+DMA. Of the promoters studied (benzoin, triethanolamine and DMA), DMA was found to be the most effective in both oils and alkyds. It is shown that the use of redox system (3) and DMA accelerates the drying of semidrying and drying oils, alkyds modified with these

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Card 1/2

UDC: 667.612.82

ACC NR: AP6006718

oils, and pigmented systems based on such alkyds by a factor of 1.5-2. Orig. art. has 6 figures and 5 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 003

Card 2/2 PdF

DUROV, S.A.; PKHALGOVA, Dz.M.; IROBASHEVA, T.I.; FROLOVA, R.I.

Oxidation of silver sulfide as the cause of the removal  
of the chloride ion from mountain river waters in central  
Kazakhstan. Izv.vys.ucheb.zav.; geol.i razv. 2 no.11:  
98-100 N '59. (MIRA 13:6)

1. Novocherkasskiy politekhnicheskiy institut.  
(Kazakhstan--Water--Analysis)

SERGEYEVA-ALAYEVA, V.N.; AVTOMEYEVA, N.P.; FROLOVA, R.M.; VOLYNKINA, L.A.;  
BOCHKAREV, O.A.; GUSEVA, V.S.

Use of aloe extract and novocaine in combined treatment of parodontitis.  
Stomatologija no.2:22-23 Mr-Apr '54. (MLRA 7:4)

1. Iz stomatologicheskogo otdeleniya (zaveduyushchiy G.A.Kal'yan)  
poliklinika No.1 (ispolnyayushchiy obyazannost' zaveduyushchego  
A.G.Chernova), Moskva.  
(Teeth---Diseases) (Novocaine--Therapeutic use)

KOROLEV, Yuryi Petrovich; BUTOMO, Dmitriy Grigor'yevich; Burova, Yevgeniya  
Sergeyevna. Prinimali uchastiye: PODMOSHENSKAYA, S.V.;  
IKONNIKOVA, G.N.; FROLOVA, R.N.; GRINZAYD, Ye.L. TYUMEN'YEVA,  
S.T., insh., red.; THEGER, D.P., red.izd-va; BELOGUROVA, I.A.,  
tekhn.red.

[Rapid spectrum analysis of nonferrous metals with the use of  
DFS-10 equipment; from practices of the "Krasnyi Vyborzhets"  
Plant in Leningrad] Spektral'nyi ekspress-analiz tsvetnykh  
metallov na ustanovke DFS-10; iz opyta raboty leningradskogo  
zavoda "Krasnyi vyborzhets," Leningrad, 1961. 13 p. (Lenin-  
gradskii Dom nauchno-tehnicheskoi propagandy. Obmen peredovym  
opytom. Seria: Kontrol' kachestva produktov, no.8).

(MIRA 14:12)

1. Gosudarstvennyy optiko-mekhanicheskiy zavod (for Podmoshenskaya,  
Ikonnikova, Frolova). 2. Leningradskiy politekhnicheskiy institut  
im. M. I. Kalinina (for Grinzayd).

(Leningrad--Metallurgical plants)

(Nonferrous metals--Spectra)